

# Status Report on Polar MFE Data Processing

November 30, 2006

The table below shows the status of the various segments in processing the recent MFE data. Since last report we have completed the data processing for February 2006, and the data for March 2006 will be ready for submission tomorrow (December 1). These two months of data contain a record number of data gaps that are exacerbated by eclipse intervals. As a result, a large amount of handwork was needed for time tagging, significantly slowing down the processing speed.

	Months Completed	Months in Process	Received not processed	% Complete (of 128 months in total)
Timing Table	128 (up to 10/06)	--	--	100%
Attitude Data Smoothing	124 (up to 6/06)	7/06	8/06	97%
Offset Calculation	121 (up to 3/06)	4/06	5/06 – 10/06	95%
Coupling Matrix Calculation	121 (up to 3/06)	4/06	5/06 – 10/06	95%
Preliminary High-resolution Data	121 (up to 3/06)	4/06	5/06 – 10/06	95%
Data Correction	121 (up to 3/06)	4/06	5/06 – 10/06	95%
Magnetometer Calibration	121 (up to 3/06)	4/06	5/06 – 10/06	95%
Level 1 Processing	121 (up to 3/06)	4/06	5/06 – 10/06	95%
Data Inspection	121 (up to 3/06)	4/06	5/06 – 10/06	95%
Key Parameters	120 (up to 2/06)	3/06	4/06 – 10/06	94%
Web Data Server	120 (up to 2/06)	3/06	4/06 – 10/06	94%

## Re-processing (1996-1999 data)

In the last month we re-processed and submitted 3 months of data (March-May 1997) made with the new code that includes the latest IGRF and Tsyganenko reference fields.

Months Completed	Months in Process	% Complete (of 46 months in total)
15 (up to 5/97)	6/97	33%